

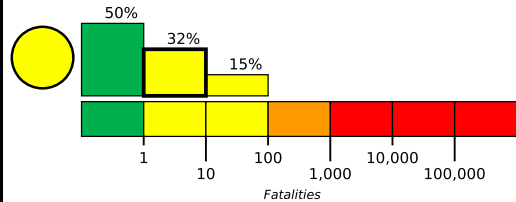
M 5.7, 4 km E of El Cantn de San Pablo, Colombia

Origin Time: 2023-08-27 21:44:59 UTC (Sun 16:44:59 local)  
Location: 5.3380° N 76.6906° W Depth: 15.1 km

PAGER Version 3

Created: 2 hours, 4 minutes after earthquake

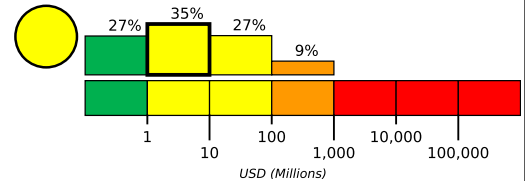
Estimated Fatalities



Yellow alert for shaking-related fatalities and economic losses. Some casualties and damage are possible and the impact should be relatively localized. Past yellow alerts have required a local or regional level response.

Estimated economic losses are less than 1% of GDP of Colombia.

Estimated Economic Losses

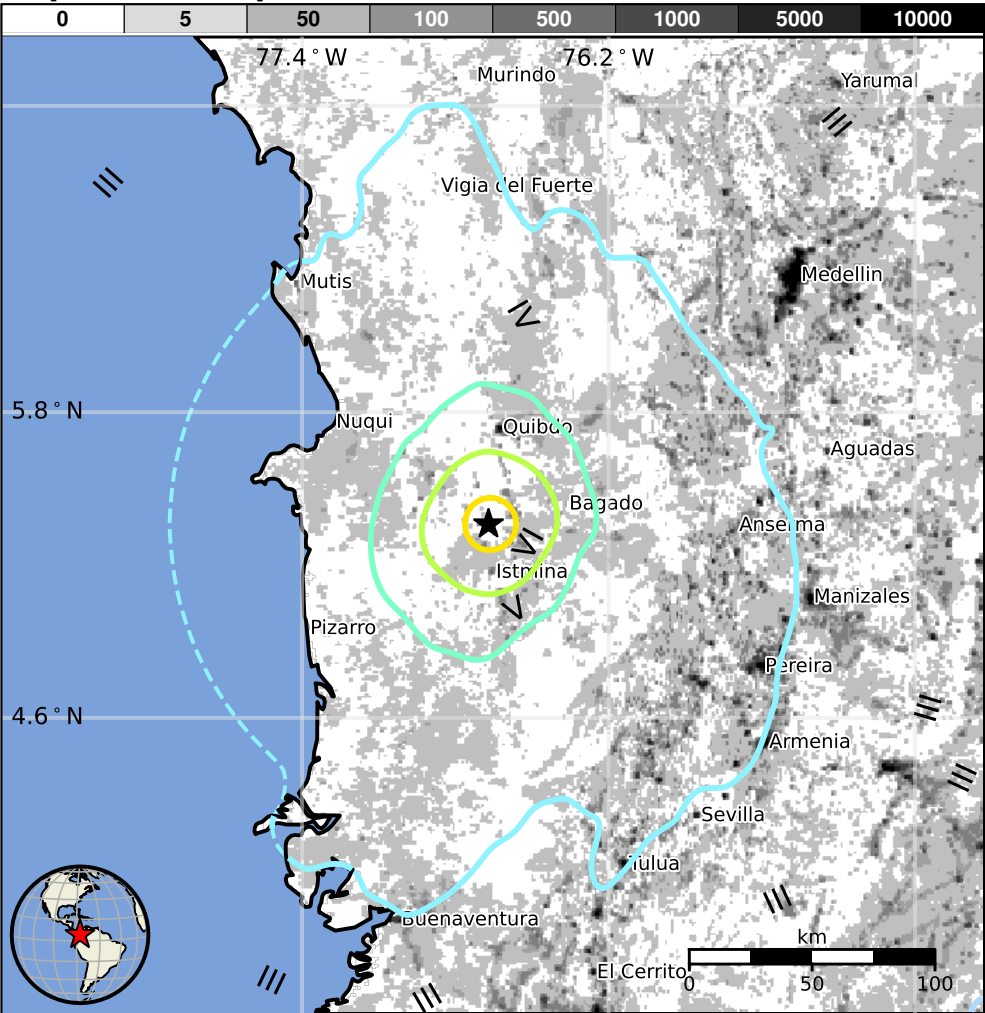


Estimated Population Exposed to Earthquake Shaking

| ESTIMATED POPULATION EXPOSURE (k=x1000) |                       | —*       | 8,020k* | 3,217k | 146k     | 33k      | 9k          | 0          | 0        | 0        |
|---|-----------------------|----------|---------|--------|----------|----------|-------------|------------|----------|----------|
| ESTIMATED MODIFIED MERCALLI INTENSITY   |                       | I        | II-III  | IV     | V        | VI       | VII         | VIII       | IX       | X+       |
| PERCEIVED SHAKING                       |                       | Not felt | Weak    | Light  | Moderate | Strong   | Very Strong | Severe     | Violent  | Extreme  |
| POTENTIAL DAMAGE                        | Resistant Structures  | None     | None    | None   | V. Light | Light    | Moderate    | Mod./Heavy | Heavy    | V. Heavy |
|   | Vulnerable Structures | None     | None    | None   | Light    | Moderate | Mod./Heavy  | Heavy      | V. Heavy | V. Heavy |

\*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and adobe block construction.

Historical Earthquakes

| Date (UTC) | Dist. (km) | Mag. | Max MMI(#) | Shaking Deaths |
|------------|------------|------|------------|----------------|
| 1983-03-31 | 322        | 5.6  | VII(47k)   | 241            |
| 1991-11-19 | 114        | 7.2  | VIII(3k)   | 2              |
| 1999-01-25 | 149        | 6.1  | VIII(27k)  | 1k             |

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

Selected City Exposure

from GeoNames.org

| MMI | City                   | Population |
|-----|------------------------|------------|
| VII | El Canton de San Pablo | 3k         |
| VII | Certegui               | 3k         |
| VI  | Tado                   | 10k        |
| VI  | Istmina                | 14k        |
| VI  | Lloro                  | 3k         |
| VI  | Condoto                | 10k        |
| IV  | Pereira                | 440k       |
| IV  | Armenia                | 315k       |
| IV  | Manizales              | 358k       |
| III | Ibague                 | 422k       |
| III | Medellin               | 2,000k     |

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000kre0#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000kre0